



International Airport Air-Rail Link Birmingham, UK

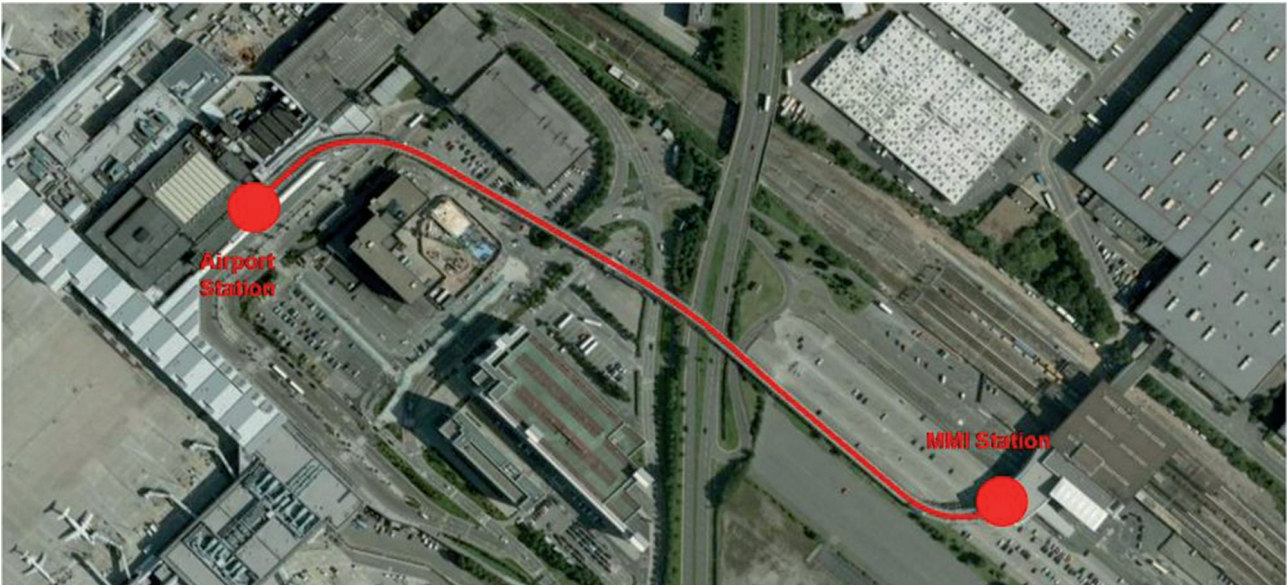


Joining existing structures with new technology

In Birmingham, Doppelmayr Cable Car faced the challenge of utilizing the existing structure of a Maglev system and adapting the APM drive machinery, control room, and other system equipment to limited space. Doppelmayr Cable Car custom-tailored an innovative drive concept and integrated the drive machinery, maintenance facility, wash bay, and central control room into an existing building in between the two stations.

Owner	Birmingham International Airport
APM Consultant Scope of work	Ove Arup General contractor for APM system and steel guideway superstructure
Project Duration	36 months (10 months for removing pre-existing maglev structure)
Start of Operation	2003
Operation & Maintenance	March 2003 to March 2023 by Doppelmayr Cable Car

When Birmingham International Airport selected Doppelmayr Cable Car, one key factor was the long-term commitment to a 20-year operation and maintenance contract guaranteeing a 99.5 % service availability.



The dual track shuttle system has two 2-car trains operating independently. The system has been in operation since 2003. The convenient Air-Rail Link takes travelers from a public transportation interchange to the check-in terminal in just 90 seconds.

Technical Data

	System
System Length	585 m (1,919 ft)
Configuration	Cable Liner Double Shuttle®
Operating Speed	36 km/h (22.4 mph)
Headway	120 s
Dwell Time	30 s
Guideway	Elevated modular steel guideway on concrete substructure
System Capacity	1,600 pphpd
Stations	2
Trains	Two 2-car trains
Train Capacity	27 passengers/car, 54 passengers/train



Elevated steel guideway utilizing the pre-existing concrete structure.



Double shuttle on elevated steel guideway.



Various train designs possible.